

# FIG. 1A

10 30 50  
 GAATTCGGCACGAGCTGAGGGGTGAGCCAAGCCCTGCCATGTAGTGCACGCAGGACATCA  
 70 90 110  
 ACAAACACAGATAACAGGAAATGATCCATTCCCTGTGGTCACTTATTCTAAAGGCCCCAA  
 130 150 170  
 CCTTCAAAGTTCAAGTAGTGATATGGATGACTCCACAGAAAGGGAGCAGTCACGCCTTAC  
 M D D S T E R E Q S R L T  
 190 210 230  
 TTCTTGCCTTAAGAAAAGAGAAGAAATGAAACTGAAGGAGTGTGTTTCCATCCTCCCACG  
 S C L K K R E E M K L K E C V S I L P R  
 250 270 290  
 GAAGGAAAGCCCCTCTGTCCGATCCTCCAAGACGGAAAGCTGCTGGCTGCAACCTTGCT  
 K E S P S V R S S K D G K L L A A T L L  
 310 330 350  
 GCTGGCACTGCTGTCTTGCTGCCTCACGGTGGTGTCTTTCTACCAGGTGGCCGCCCTGCA  
L A L L S C C L T V V S F Y O V A A L Q  
 370 390 410  
 AGGGGACCTGGCCAGCCTCCGGGCAGAGCTGCAGGGCCACCACGCGGAGAAGCTGCCAGC  
 G D L A S L R A E L Q G H H A E K L P A  
 430 450 470  
 AGGAGCAGGAGCCCCAAGGCCGGCCTGGAGGAAGCTCCAGCTGTCACCGCGGGACTGAA  
 G A G A P K A G L E E A P A V T A G L K  
 490 510 530  
 AATCTTTGAACCACCAGCTCCAGGAGAAGGCAACTCCAGTCAGAACAGCAGAAATAAGCG  
 I F E P P A P G E G N S S Q N S R N K R  
 550 570 590  
 TGCCGTTTCAGGGTCCAGAAGAAACAGTCACTCAAGACTGCTTGCAACTGATTGCAGACAG  
 A V Q G P E E T V T Q D C L Q L I A D S

# FIG. 1B

610 630 650  
 TGAAACACCAACTATACAAAAAGGATCTTACACATTGTTCATGGCTTCTCAGCTTTAA  
 E T P T I Q K G S Y T F V P W L L S F K  
 670 690 710  
 AAGGGGAAGTGCCCTAGAAGAAAAAGAGAATAAAATATTGGTCAAAGAACTGGTTACTT  
 R G S A L E E K E N K I L V K E T G Y F  
 730 750 770  
 TTTTATATATGGTCAGGTTTTATATACTGATAAGACCTACGCCATGGGACATCTAATTCA  
 F I Y G Q V L Y T D K T Y A M G H L I Q  
 790 810 830  
 GAGGAAGAAGGTCCATGTCTTTGGGGATGAATTGAGTCTGGTGACTTTGTTTCGATGTAT  
 R K K V H V F G D E L S L V T L F R C I  
 850 870 890  
 TCAAATATGCCTGAAACACTACCCAATAATTCCTGCTATTTCAGCTGGCATTGCAAACT  
 Q N M P E T L P N N S C Y S A G I A K L  
 910 930 950  
 GGAAGAAGGAGATGAACTCCAACCTTGCAATACCAAGAGAAAATGCACAAATATCACTGGA  
 E E G D E L Q L A I P R E N A Q I S L D  
 970 990 1010  
 TGGAGATGTCACATTTTTTGGTGCATTGAACTGCTGTGACCTACTTACACCATGTCTGT  
 G D V T F F G A L K L L  
 1030 1050 1070  
 AGCTATTTTCCTCCCTTTCTCTGTACCTCTAAGAAGAAAGAAATCTAACTGAAAATACCAA  
 1090 1110 1130  
 AAAAAAAAAAAAAAAAAAAAAAGTAGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 1150 1170  
 AAAAAAAAAAAAAAAAAAAAACTCGAGGGGG

[illegible]

10 30 50  
GAATTCGGCACGAGCTCCAAAGGCCTAGACCTTCAAAGTGCTCCTCGTGGAAATGGATGAG  
M D E  
70 90 110  
TCTGCAAAGACCCTGCCACCACCGTGCCCTCTGTTTTTGCTCCGAGAAAGGAGAAGATATG  
S A K T L P P P C L C F C S E K G E D M  
130 150 170  
AAAGTGGGATATGATCCCATCACTCCGCAGAAGGAGGAGGGTGCCTGGTTTGGGATCTGC  
K V G Y D P I T P Q K E E G A W F G I C  
190 210 230  
AGGGATGGAAGGCTGCTGGCTGCTACCCTCCTGCTGGCCCTGTTGTCCAGCAGTTTCACA  
R D G R L L A A T L L L A L L S S S F T  
250 270 290  
GCGATGTCCTTGTACCAGTTGGCTGCCTTGCAAGCAGACCTGATGAACCTGCGCATGGAG  
A M S L Y O L A A L Q A D L M N L R M E  
310 330 350  
CTGCAGAGCTACCGAGGTTTCAGCAACACCAGCCGCCGCGGGTGCTCCAGAGTTGACCGCT  
L Q S Y R G S A T P A A A G A P E L T A  
370 390 410  
GGAGTCAAACCTCCTGACACCGGCAGCTCCTCGACCCCACTCCAGCCGCGGCCACAGG  
G V K L L T P A A P R P H N S S R G H R  
430 450 470  
AACAGACGCGCTTTCCAGGGACCAGAGGAAACAGAACAAGATGTAGACCTCTCAGCTCCT  
N R R A F Q G P E E T E Q D V D L S A P  
490 510 530  
CCTGCACCATGCCTGCCTGGATGCCGCCATTCTCAACATGATGATAATGGAATGAACCTC  
P A P C L P G C R H S Q H D D N G M N L  
550 570 590  
AGAAACATCATTCAAGACTGTCTGCAGCTGATTGCAGACAGCGACACGCCGACTATACGA  
R N I I O D C L O L I A D S D T P T I R

# FIG. 2B

610 630 650  
 AAAGGAAC TTACACAT TTGTTCCAT GGTCTCTCAGCTTT AAAAGAGGAAATGCCTTGGAG  
 K G T Y T F V P W L L S F K R G N A L E  
 670 690 710  
 GAGAAAGAGAACAAAATAGTGGTGAGGCAAACAGGCTATTTCTTCATCTACAGCCAGGTT  
 E K E N K I V V R Q T G Y F F I Y S Q V  
 730 750 770  
 CTATACACGGACCCCATCTTTGCTATGGGTCATGTCATCCAGAGGAAGAAAGTACACGTC  
 L Y T D P I F A M G H V I Q R K K V H V  
 790 810 830  
 TTTGGGGACGAGCTGAGCCTGGTGACCCTGTTCCGATGTATTCAGAATATGCCCAAACA  
 F G D E L S L V T L F R C I Q N M P K T  
 850 870 890  
 CTGCCCAACAATTCCTGCTACTCGGCTGGCATCGCGAGGCTGGAAGAAGGAGATGAGATT  
 L P N N S C Y S A G I A R L E E G D E I  
 910 930 950  
 CAGCTTGCAATTCCTCGGGAGAATGCACAGATTTACGCAACGGAGACGACACCTTCTTT  
 Q L A I P R E N A Q I S R N G D D T F F  
 970 990 1010  
 GGTGCCCTAAAACTGCTGTAAC TACTTGCTGGAGTGCGTGATCCCCCTCCCTCGTCTTC  
 G A L K L L  
 1030 1050 1070  
 TCTGTACCTCCGAGGGAGAAACAGACGACTGGAAAACTAAAAGATGGGGAAAGCCGTCA  
 1090 1110 1130  
 GCGAAAGTTTTCTCGTGACCCGTTGAATCTGATCCAAACCAGGAAATATAACAGACAGCC  
 1150 1170 1190

1000  
 900  
 800  
 700  
 600  
 500  
 400  
 300  
 200  
 100  
 0

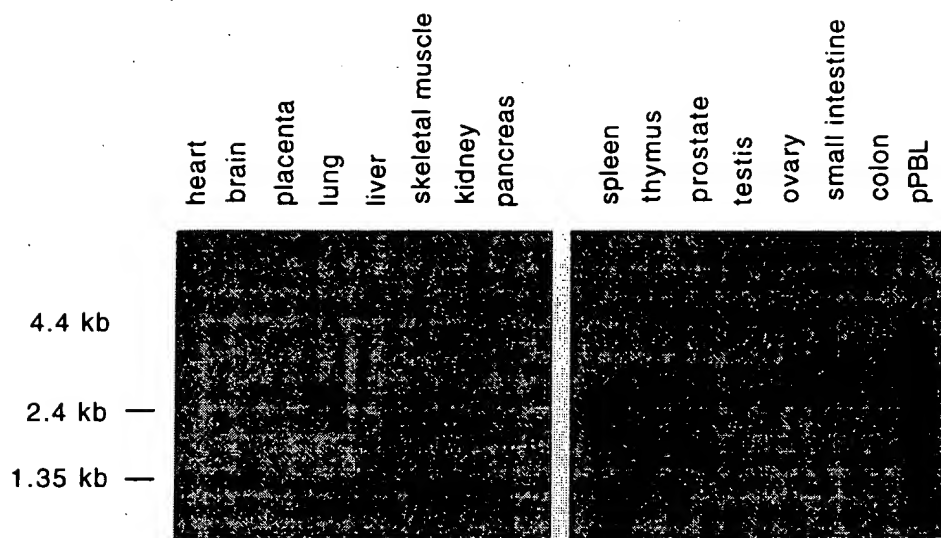
	151	B	200
Hagp3	.....	...VTODCLO	LIADSETPTI QKGSYTFVFPW
Magp3	PPAPCLPGCR	HSQHDDNGMN	LRNIIODCLO LIADSDTPTI RKGTYTFVFPW
cons	.....	.....QDCLO	LIADS.TPTI .KG.YTFVFPW

	B'	C'	C	D	E	250
Hagp3	<u>LLSEFKRGSAL</u>	<u>EEKENKILVK</u>	<u>ETGYFFFIYGO</u>	<u>VLYTDKTYAM</u>	<u>GHLIQRKKVH</u>	
Magp3	<u>LLSEKRGNAL</u>	<u>EEKENKIVVR</u>	<u>QTGYFFFIYSO</u>	<u>VLYTDPIFAM</u>	<u>GHVIRQKKVH</u>	
cons	LLSEFKRG.AL	EEKENKI.V.	.TGYYFFFIY.Q	VLYTD...AM	GH.IQRKKVH	

	251	F	G	H	300
Hagp3	VFGDELSLVT	LFRCIQNMPE	TLPNNSCYSA	GIAKLEEGDE	LOLAIPRENA
Magp3	VFGDELSLVT	LFRCIQNMPK	TLPNNSCYSA	GIAKLEEGDE	IOLAIPRENA
cons	VFGDELSLVT	LFRCIQNMP.	TLPNNSCYSA	GIA.LEEGDE	.OLAIPRENA

Hagp3	QISLDGDVTF	<u>FGALKLL</u>	I	317
Magp3	QISRNGDDTF	<u>FGALKLL</u>		
cons	QIS..GD.TF	FGALKLL		

# FIG. 4A



# FIG. 4B

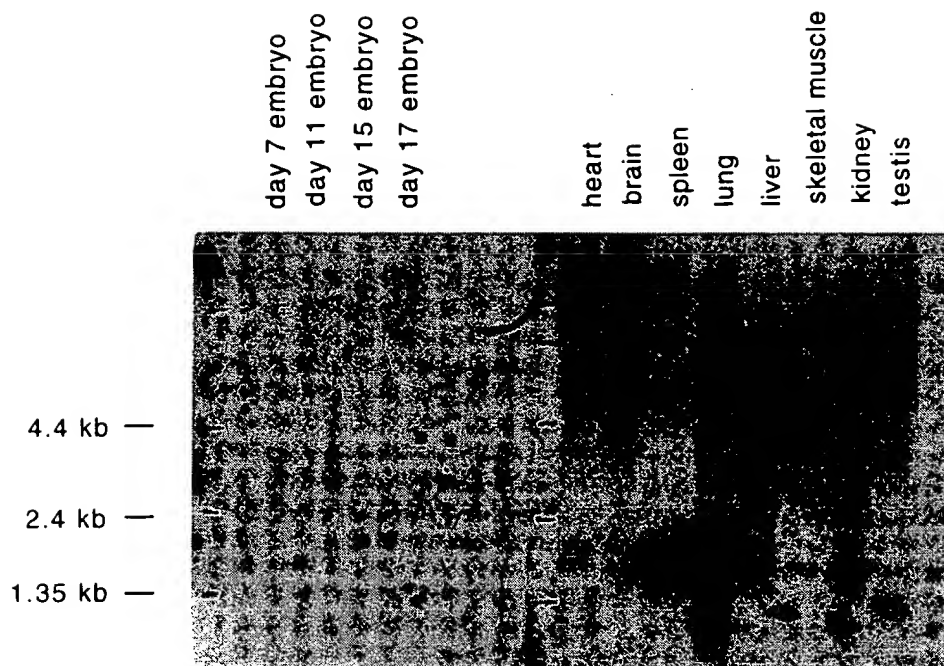


FIG. 5A



FIG. 5B

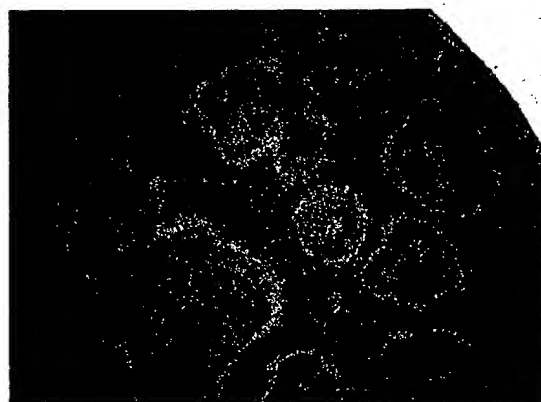


FIG. 5C



FIG. 5D

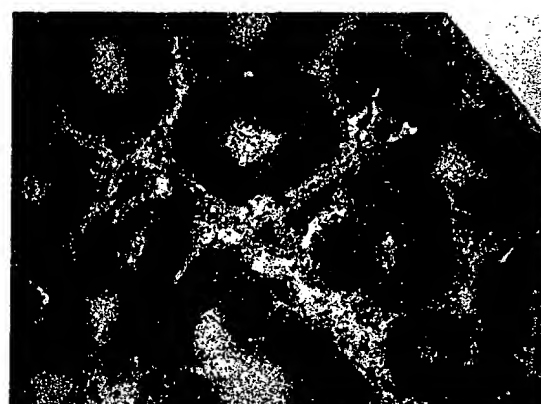


FIG. 5E



FIG. 5F

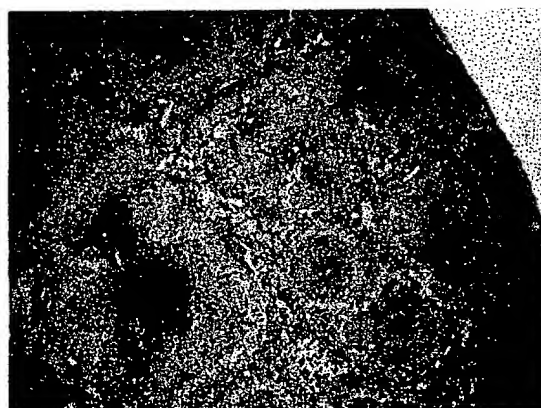




FIG. 6A

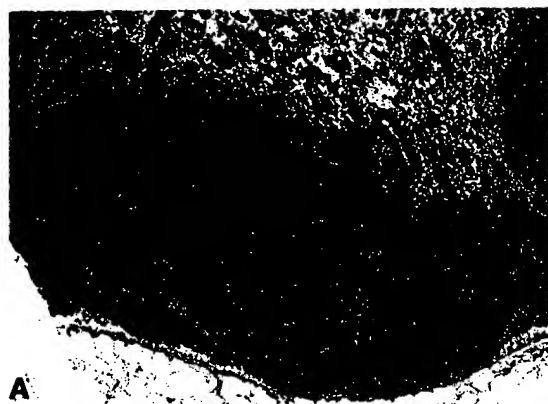


FIG. 6B



FIG. 6C



FIG. 6D

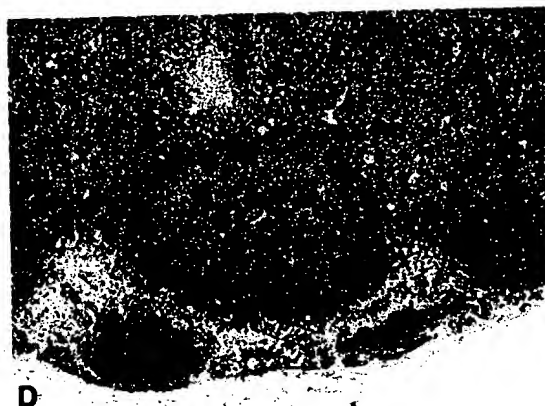


FIG. 6E



FIG. 6F

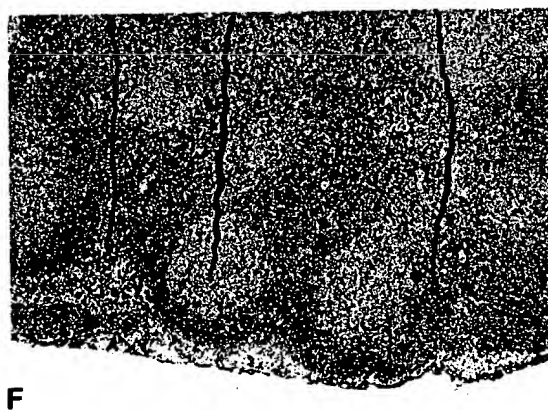


FIG. 7A

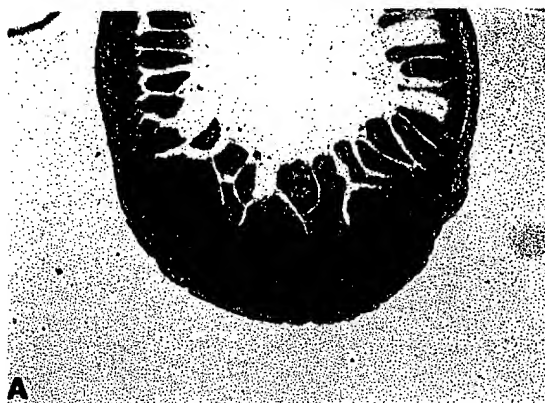


FIG. 7B



FIG. 7C



FIG. 7D



FIG. 7E



FIG. 7F



FIG. 8A

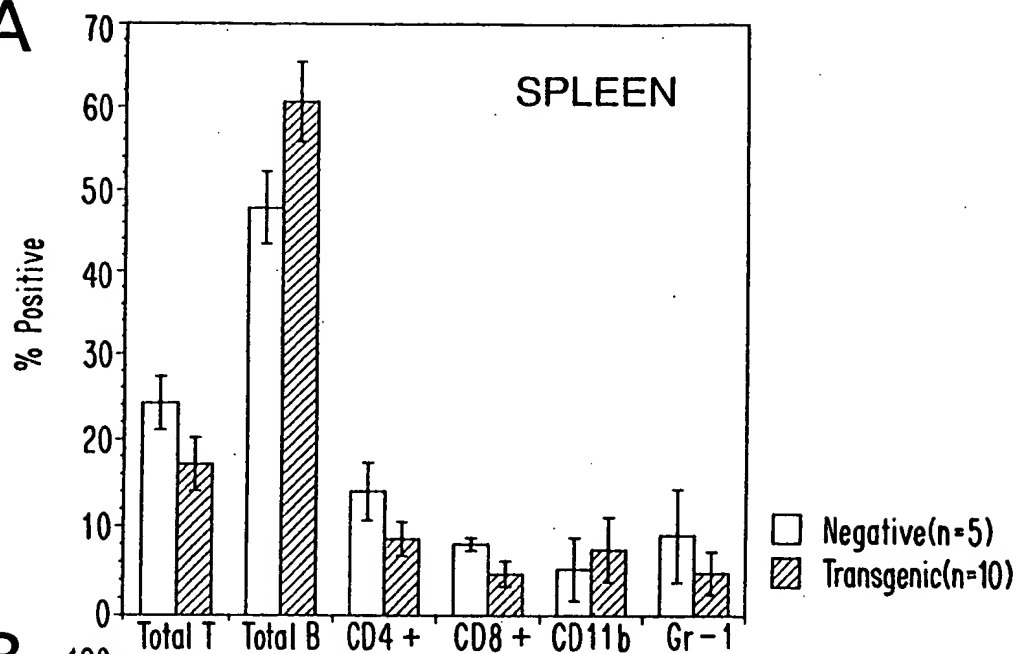


FIG. 8B

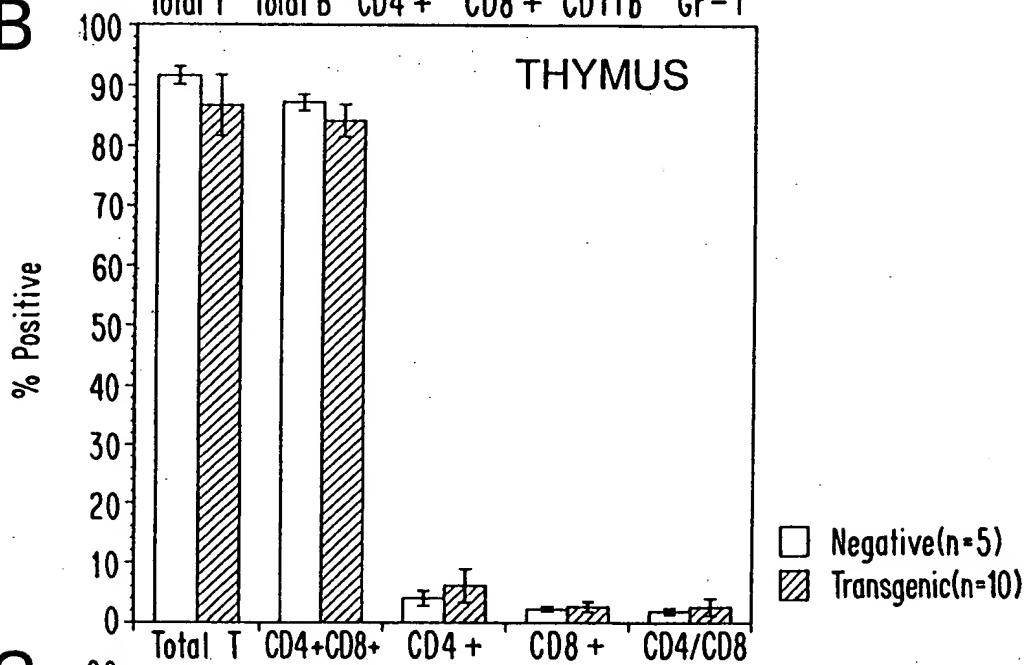


FIG. 8C

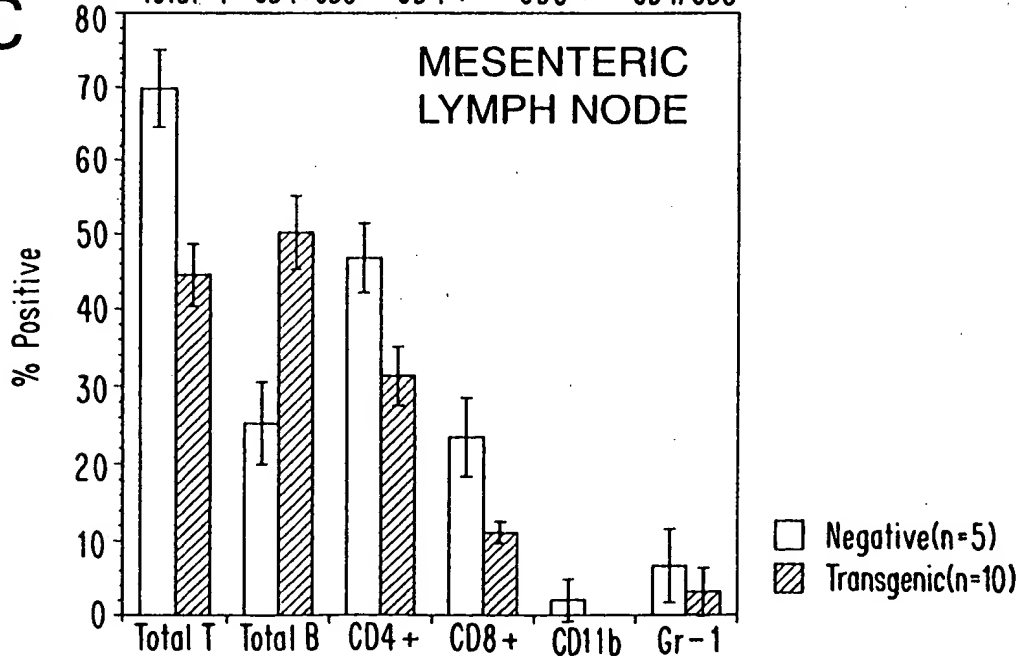


FIG. 9A

	B	B/B' loop	B'	C'	C	D	D/E loop	E	Consensus
139-	-----+PAAHLT--P-----	-----L-W-----	-----A-LS-GV-L-N-----	-----LVW-----	-----GLYFIYSQV-F+GQ-CP-----	-----V-L		Human FasL	
137-	EKKELRKVAHLTGKSN-----	-----SRS-MPLEWEDTYGI-----	-----VLLS-GVKYKK-----	-----GGLVINETGLYFVYSKVYFRGQSCN-----	-----NLPL		Mouse FasL		
136-	EKKEPRSV AHLTGNPH-----	-----SRS-IPEWEDTYGT-----	-----ALIS-GVKYKK-----	-----GGLVINETGLYFVYSKVYFRGQSCN-----	-----NQPL		Rat FasL		
116-	ETKKPRSV AHLTGNPR-----	-----SRS-IPEWEDTYGT-----	-----ALIS-GVKYKK-----	-----GGLVINEAGLYFVYSKVYFRGQSCN-----	-----SQPL		Human CD40L		
115-	GDQNQIAAHVISEASS-----	-----KTT-SVLQWAEKGYI-----	-----TMSNNLVTLENG-KQLTVKRQGLYIYAQVTFCSNREA-----	-----SSQAPF			Mouse CD40L		
142-	GDEDPQIAAHVSEANS-----	-----NAA-SVLQWAEKGYI-----	-----TMSKNLVMLENG-KQLTVKRQGLYIYAQVTFCSNREP-----	-----SSQAPF			Human AGP3		
143-	---VTQDCIQLIADSETPTIQ-----	-----KGSY---TFVPWLLSFKR-GSALE-----	-----EKEN---KIL-VKETGYFFIYGQVLYT-DKT-----	-----YAMGHL			Mouse AGP3		
163-	LRNIIQDCIQLIADSDTPTIR-----	-----KGTY---TFVPWLLSFKR-GNALE-----	-----EKEN---KI-VWRQTGYFFIYSQVLYT-DPI-----	-----FAMGHV			Mouse OPGL		
157-	GKPEAQPF AHLTINAASIP-----	-----SGSHKVTLSWYHDSRW-----	-----AKISN-MTISNG-K-LRVNQDGFYLYANICFRHHETS-----	-----GSVPTD			Human OPGL		
158-	SKLEAQPF AHLTINATDIP-----	-----SGSHKVTLSWYHDSRW-----	-----AKISN-MTISNG-K-LIVNQDGFYLYANICFRHHETS-----	-----GDLATE			Human TRAIL		
116-	ERGPRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGH-SFLSN-LHLRNG-E-LVIEHEKGFYIYSQTYFRFQEE-----	-----IKENT					Mouse TRAIL		
120-	GGRPQVAAHITGITRRSNSALIPISKDGKTLGQKIESWESSRKGH-SFLNH-VLFRNG-E-LVIEQEGLYIYSQTYFRFQEAEDASKVSKD-						Human CD30L		
92-	RAPFKKSWAYLQVAKH-----	-----LNK-TKLSWKNKD-----	-----ILH-GVRYQD-----	-----GNLVIQFPGLYFIICQLQFLVQ-CP-----	-----NNSVDL		Mouse CD30L		
97-	STPSKKSWAYLQVSKH-----	-----LMN-TKLSWKNEDG-----	-----TIH-GLIYQD-----	-----GNLVIQFPGLYFIICQLQFLVQ-CS-----	-----NHSVDL		Human Lytβ		
82-	DLSPGLPAAHLIGAP-----	-----LKGQ-GLGWETTKEQ-----	-----AFLTSGTQFSDA-EGLALPQDGLYLYCLVGYRGRAPPGGDPQGRSV				Mouse Lytβ		
148-	DLNPGLPAAHLIGAW-----	-----MSGQ-GLSWEASQEE-----	-----AFLRSGAQFSPT-HGLALPQDGVVYLYCHVGYRGRTPPA-GRSRARSL				Human TNFβ		
57-	AHSTLKPAAHLIGDP-----	-----SKQNS-LLWRANTDR-----	-----AFLQDGFSLN <sup>8</sup> -NSLLVPTSGIYFVYSQVVFSGESCPRAIPTPIYL				Mouse TNFβ		
54-	THGILKPAAHLVGYP-----	-----SKQNS-LLWRANTDR-----	-----AFLRHGFSLSN-NSLLIPTSGIYFVYSQVVFSGESCPRAIPTPIYL				Human TNFα		
82-	RTPSDKPVAHVANP-----	-----QAEQG-LQWLNRAN-----	-----ALLANGVELRD-NQLVVPSEGLYIYSQVLFKQGQCP-----	-----STHVLL			Mouse TNFα		
85-	QNSDDKPVAHVANH-----	-----QVEEQ-LEWLSQRAN-----	-----ALLANGMDLKD-NQLVVPADGLYLYSVQVLFKQGQCP-----	-----DYVLL					

FIG. 9B

	E	E/F loop	F	F/G loop	G	H	H/I loop	I	
	-H-V----	-V----	-LLS----	-T--C----	-W--S-YLGGVF-L--GD-LYVNV--S--F----				Consensus
08-	SHKVYMRNS	KYPQDLVMEGKVMYSYC		TTGQMWARS	SYLGAVFMTLSADHLVYVNVSELSLVNFEESQ-TFFG				Human FasL
06-	NHKVYMRNS	KYPEDLVMEEKRLNYC		TTGQIWAH	SSYLGA VFMLTSA DHLVYVNI SQSLINFEESK-TFFG				Mouse FasL
05-	SHKVYMRNF	KYPGDLVMEKKLNYC		TTGQIWAH	SSYLGA VFMLTSA DHLVYVNI SQSLINFEESK-TFFG				Rat FasL
90-	IASLCLKS	PGRFERILLRAANTHSSAKPC			QOQSIHLGGVFELQPGASVFVNTDPSQVSHGTGF-TSFG				Human CD40L
89-	IVGLWLKP	SIGSERILLKAANTHSSQLC			EQQSVHLGGVFELQAGASVFVNTDPSQVSHGTGF-TSFG				Mouse CD40L
12-	IQRKKVHV	FGDELSLVTLFRCIQNMPETL			P--NNSCYSAGIAKLEEGDELQALAI PRENAQISLDGVTFFG				Human AGP3
36-	IQRKKVHV	FGDELSLVTLFRCIQNMPKTL			P--NNSCYSAGIAKLEEGDEIQALAI PRENAQISRN				Mouse AGP3
34-	YLQLMVYVVKTSI	KIPSSHNLMKGGSTKNWSGN			SE--FHYSINVGFFKL RAGEEISIQVSNPSLLDPDQDA-TYFG				Mouse OPG
35-	YLQLMVYVVKTSI	KIPSSHTLMKGGSTKYWSGN			SE--FHYSINVGFFKL RSGEEISIEVSNPSLLDPDQDA-TYFG				Human OPG
01-	K-NDKQMVQYIYKYTSY	PDPIVLMKSARNSCWSKD			AE--YGLYSIQGGIFELKENDRI FVSVTNEHLIDMDHEA-SFFG				Human TRAIL
10-	KVRTKQLVQYIYKYTSY	PDPIVLMKSARNSCWSRD			AE--YGLYSIQGGIFELKKNDRIFVSVTNEHLMDLQEA-SFFG				Mouse TRAIL
59-	KLELLIN				HVYQNL SQFLLDYLQVNTTISVNVDTFQYIDTSTFPLENVLSIFLYSNSD				Human CD30L
64-	TLQLLIN				NIYQNL SQFLLHLYLQVNSTISVRVDNFQYVDTNTFPLDNVLSVFLYSSSD				Mouse CD30L
58-	TLRSSLYRAGGA	YGPGTPELLLEGAETVTPVLD	PARRQCYG	PLWYTSVGF	GGLVQLRRGERVYVYVNI SHPDMVDFARGK-TFFG				Human Lytβ
23-	TLRSALYRAGGA	YGRGSPPELLLEGAETVTPVWDPI			GYGSLWYTSVGFGLAQLRSGERVYVYVNI SHPDMVDYRRGK-TFFG				Mouse Lytβ
32-	AHEVQLFSS				GLQEPWLHSMYHGAA FQLTQGDQLSTHTDGI	PHLVLS	SPST-VFFG		Human TNFβ
29-	AHEVQLFSS				GLQGPWVRSMYQGA VFLLSKGDQLSTHTDGI	SHLHFS	SPSS-VFFG		Mouse TNFβ
53-	THTISRIV				SYQTKVNLSAIKSPCQRETP	EG--AEAKPW	YEPIYLG	GVFQLEKGRDLSAEINRPDYLDFAESGQVYFGI	Human TNFα
55-	THTVSRFAI				SYQEKVNLSAVKSPCKDTP	EG--AELKP	WYEPIYLG	GVFQLEKGRDLSAEVNLPKYLDFAESGQVYFGV	Mouse TNFα

FIG. 10A      FIG. 10D      FIG. 10G

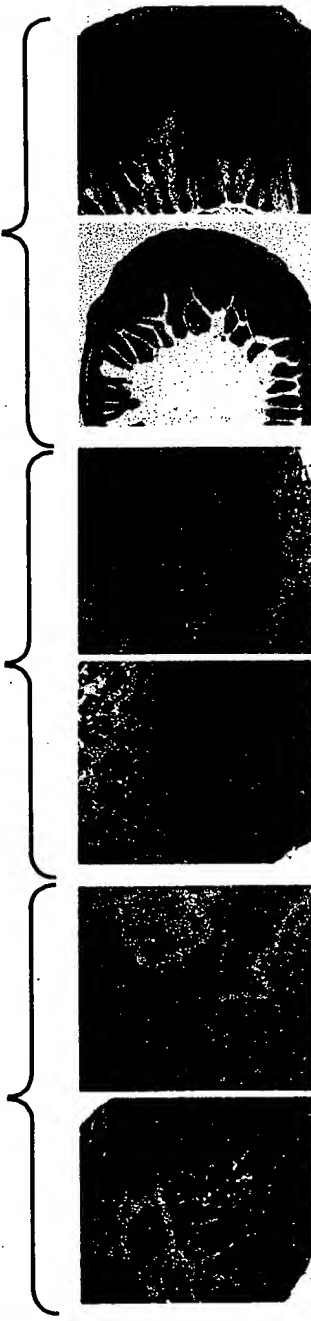


FIG. 10B      FIG. 10E      FIG. 10H

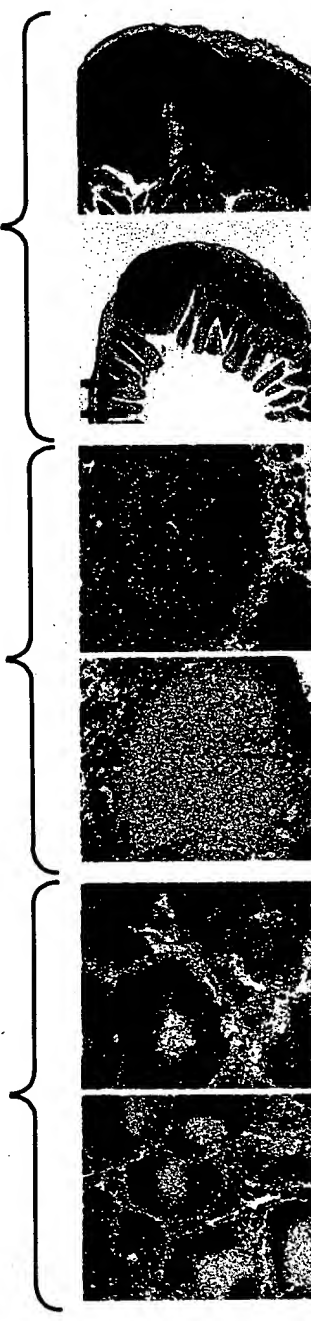


FIG. 10C      FIG. 10F      FIG. 10I

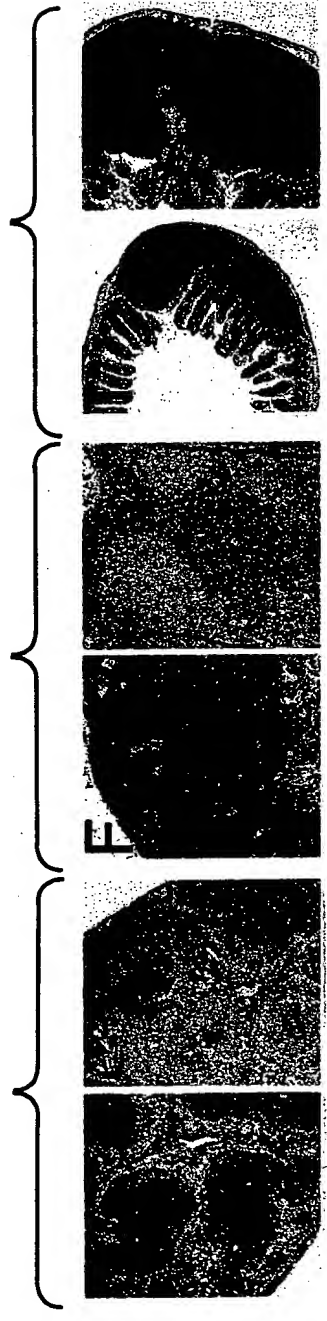


FIG. 11A

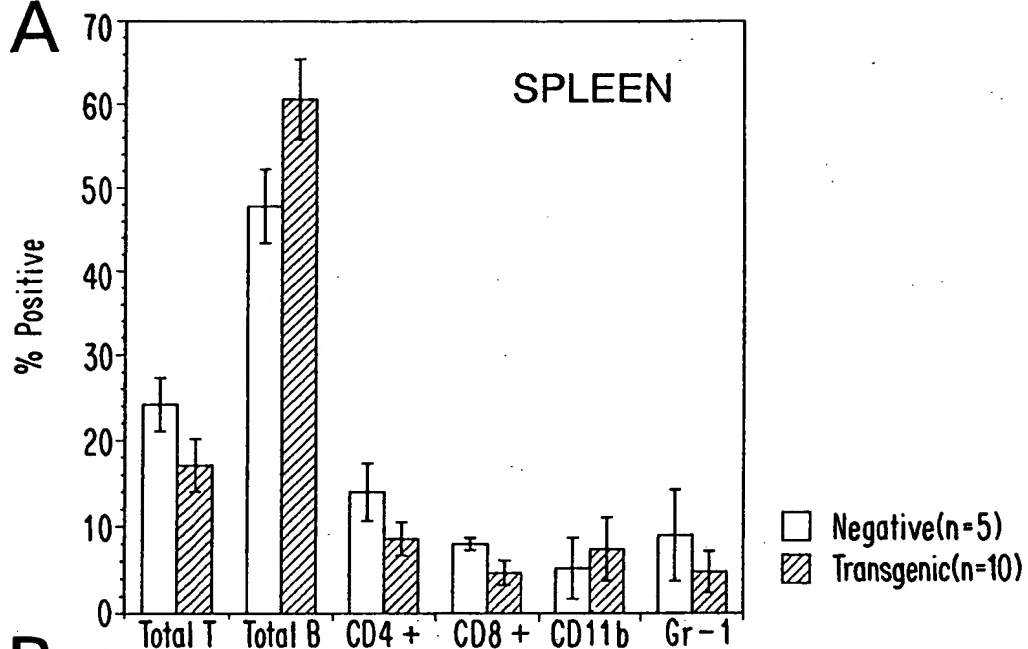


FIG. 11B

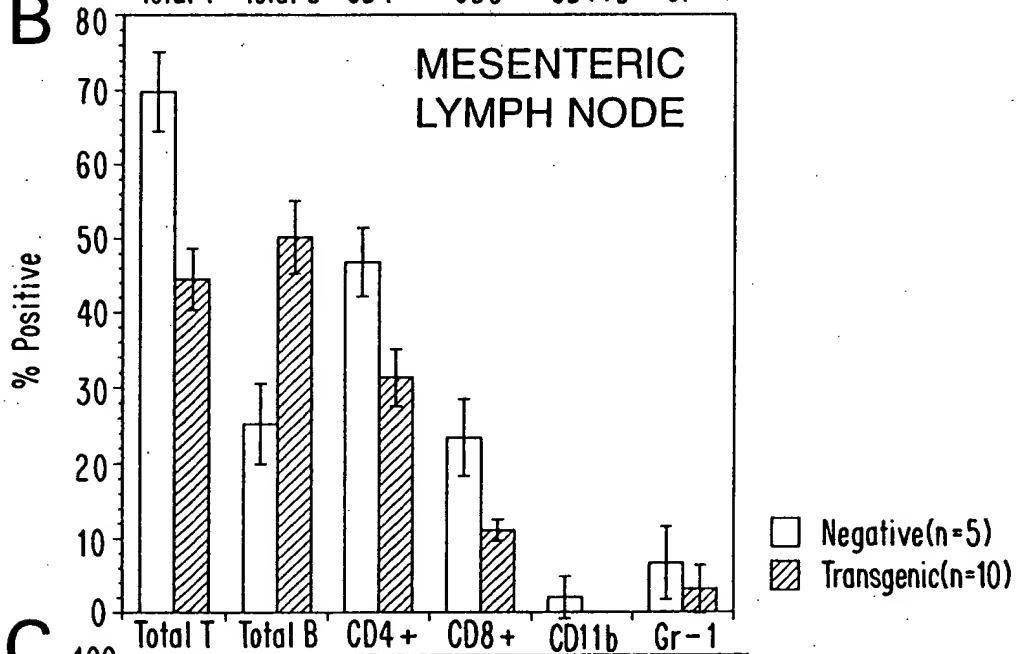


FIG. 11C

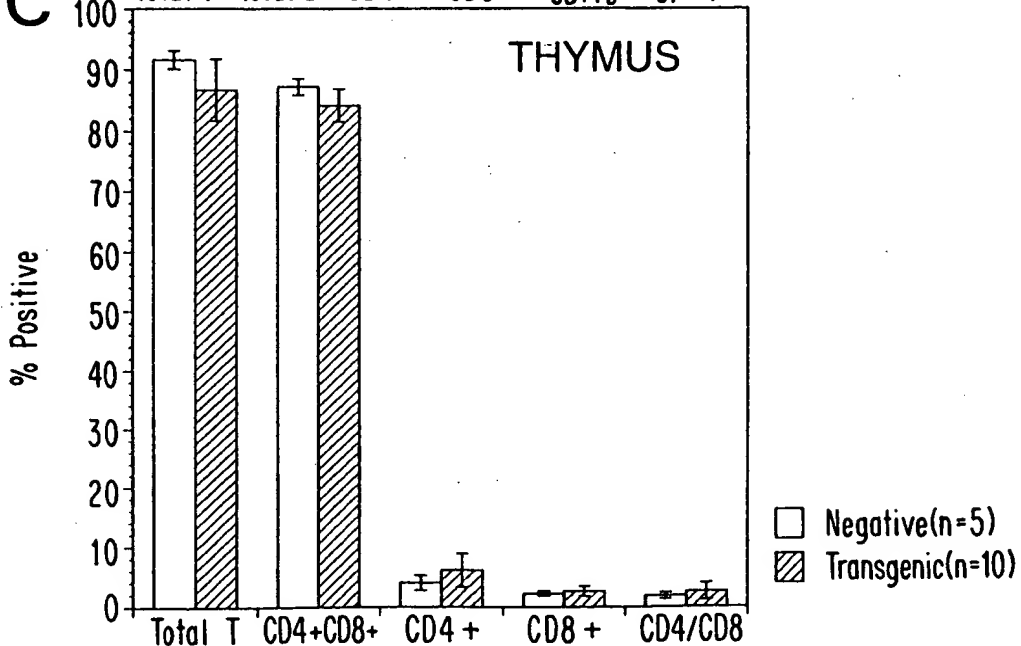


FIG. 12A

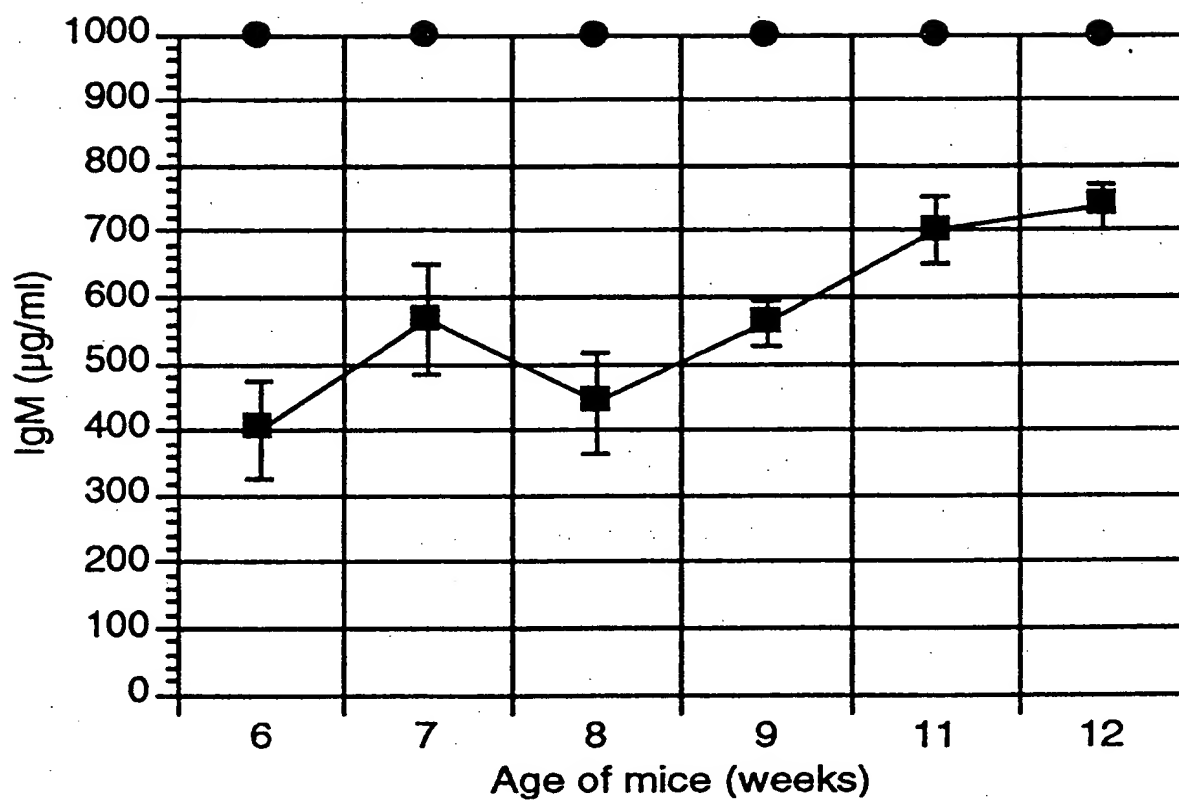


FIG. 12B

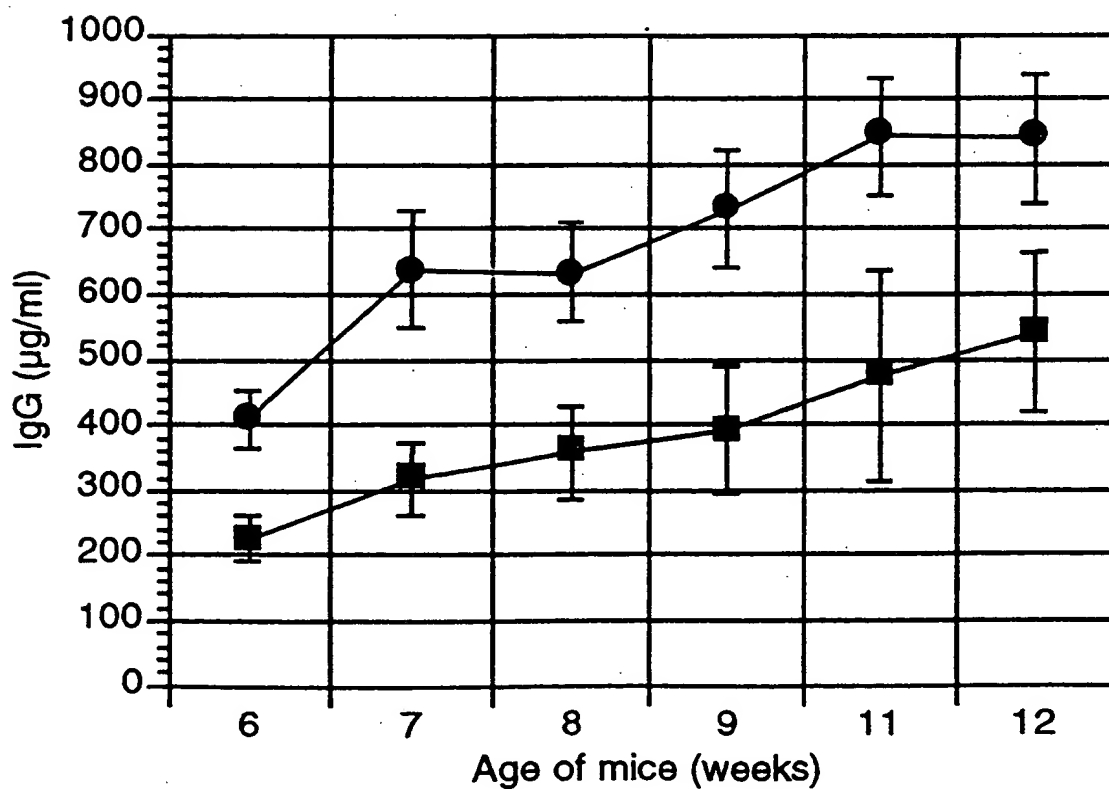




FIG. 12C

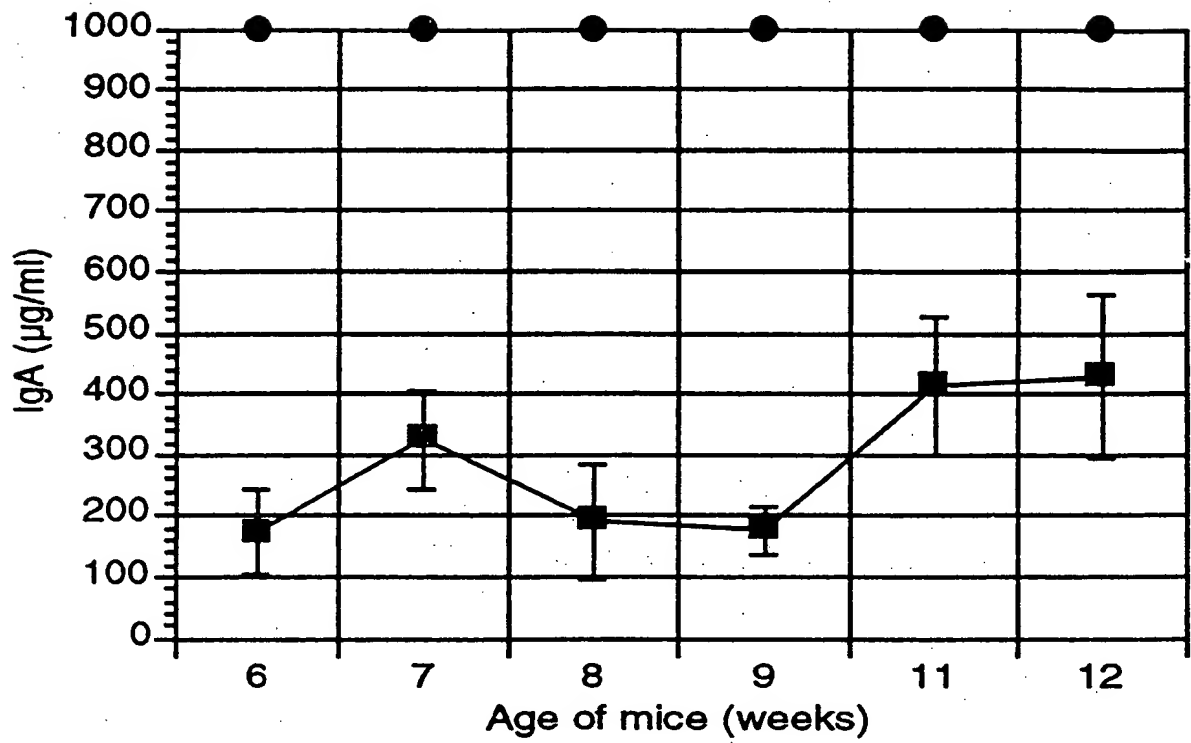


FIG. 12D

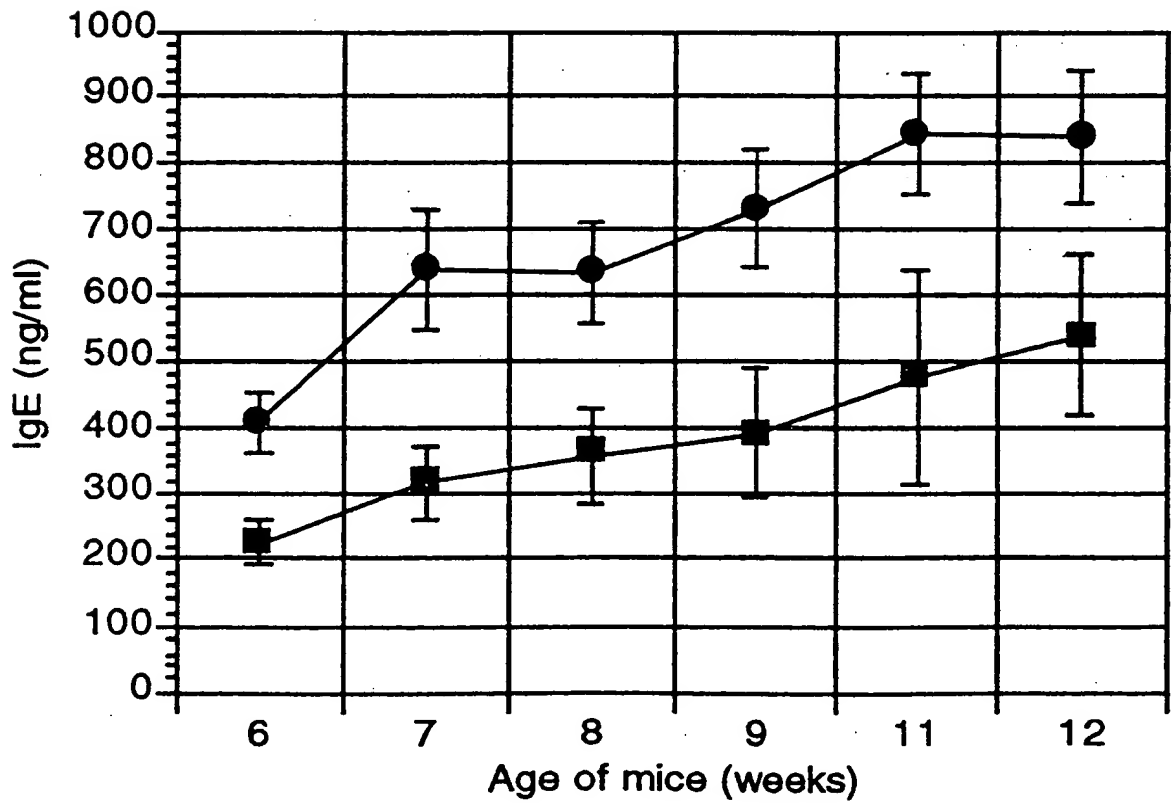




FIG. 14A

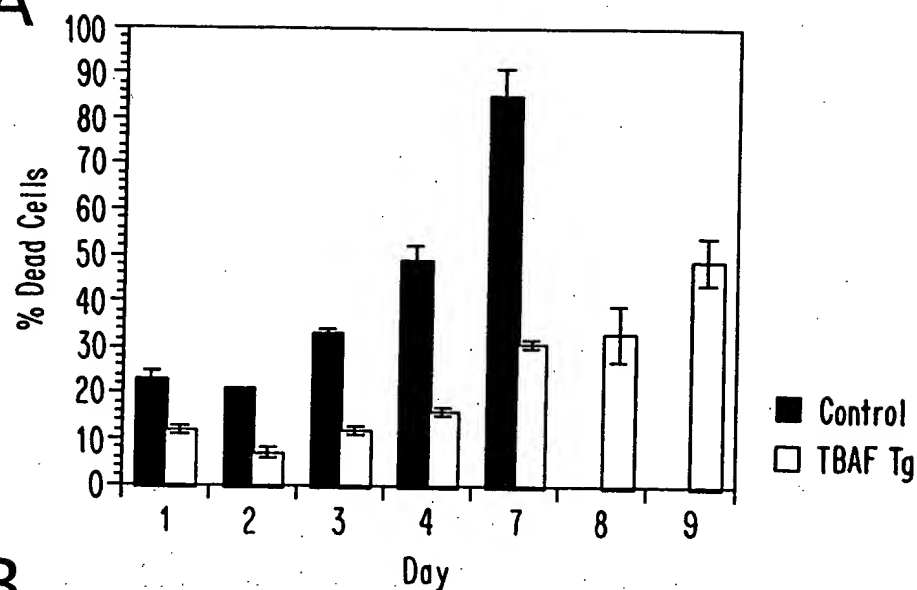


FIG. 14B

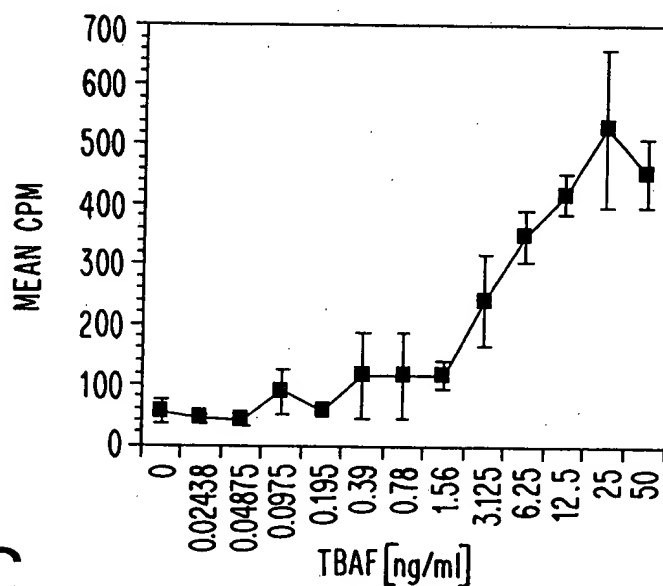


FIG. 14C

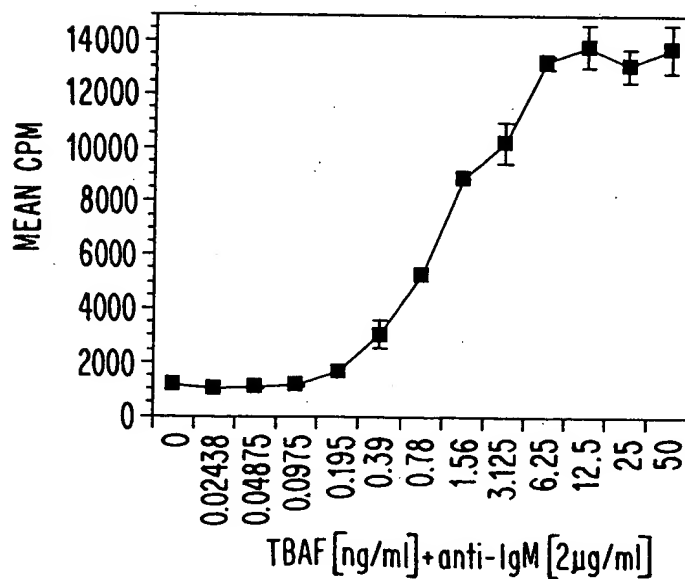


FIG. 15

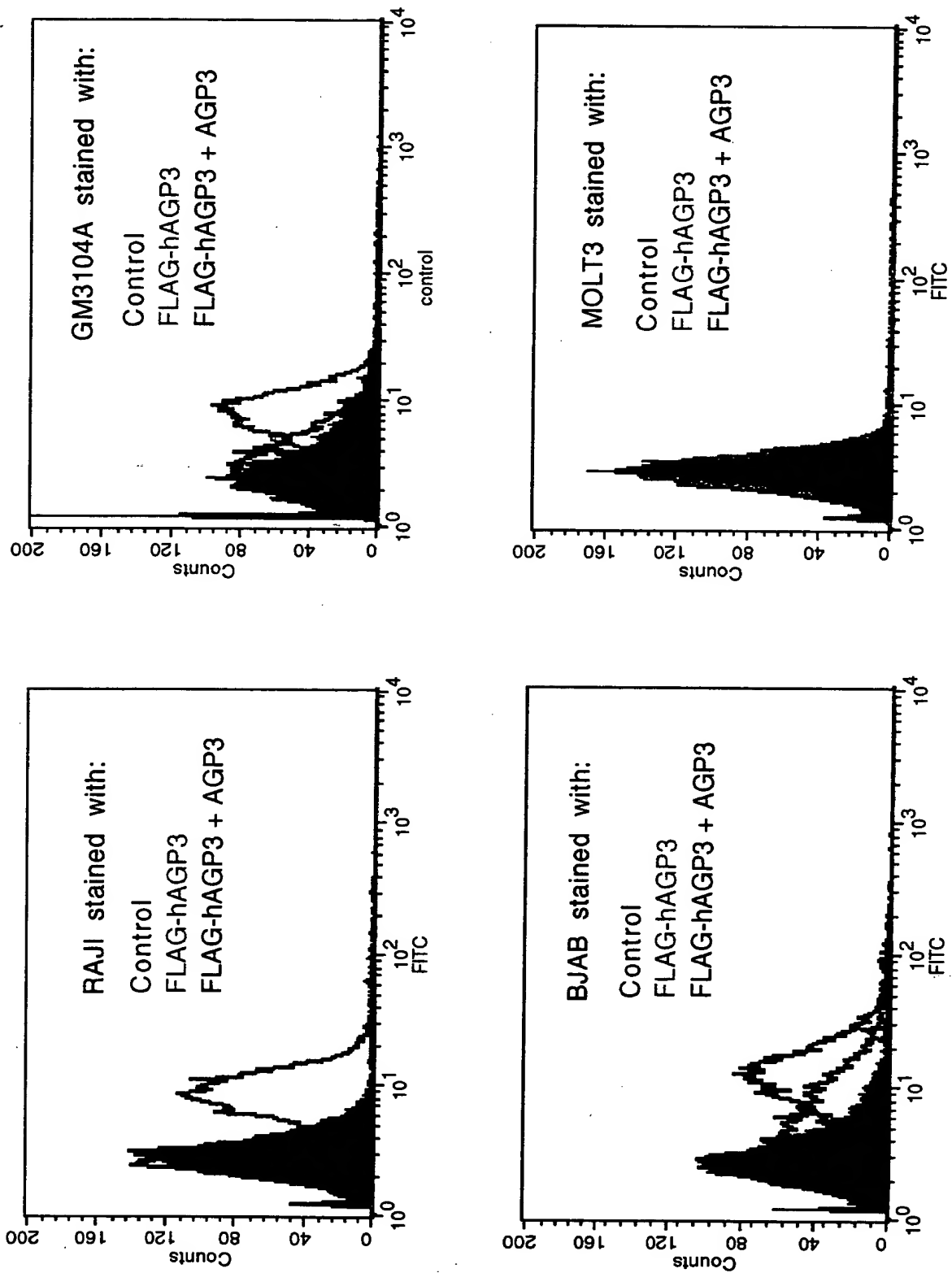


FIG. 16

Alignment of AGP3-binding pools 13B4 and 13H11  
N-terminal sequence

```

1  GTCGACCCACGCGTCCG.....ATCCTGAGTAATGAGTGGCCTGGGCC 43
   |||||||||||||||||
1  GTCGACCCACGCGTCCGAATAAGCATCCTGAGTAATGAGTGGCCTGGGCC 50

44 GGAGCAGGCGAGGTGGCCGGAGCCGTGTGGACCAGGAGGAGCGCTTTCCA 93
   |||||||||||||||||||
51 GGAGCAGGCGAGGTGGCCGGAGCCGTGTGGACCAGGAGGAGCGCTTTCCA 100

94 CAGGGCCTGTGGACAGGGGTGGCTATGAGATCCTGCCCCGAAGAGCAGTA 143
   |||||||||||||||||||
101 CAGGGCCTGTGGACAGGGGTGGCTATGAGATCCTGCCCCGAAGAGCAGTA 150

144 CTGGGATCCTCTGCTGGGTACCTGCATGTCCTGCAAAACCATTGTGCAACC 193
   |||||||||||||||||||
151 CTGGGATCCTCTGCTGGGTACCTGCATGTCCTGCAAAACCATTGTGCAACC 200

194 ATCAGAGCCAGCGCACCTGTGCAGCCTTCTGCAGGTCACTCAGCTGCCGC 243
   |||||||||||||||||||
201 ATCAGAGCCAGCGCACCTGTGCAGCCTTCTGCAGGTCACTCAGCTGCCGC 250

244 AAGGAGCAAGGCAAGTTCTATGACCATCTCCTGAGGGACTGCATCAGCTG 293
   |||||||||||||||||||
251 AAGGAGCAAGGCAAGTTCTATGACCATCTCCTGAGGGACTGCATCAGCTG 300

294 TGCCTCCATCTGTGGACAGCACCCCTAAGCAATGTGCATACTTCTGTGAGA 343
   |||||||||||||||||||
301 TGCCTCCATCTGTGGACAGCACCCCTAAGCAATGTGCATACTTCTGTGAGA 350

344 ACAAGCTCAGGAGCCCAGTGAACCTTCCACCAGAGCTCAGGAGACAGCGG 393
   |||||||||||||||||||
351 ACAAGCTCAGGAGCCCAGTGAACCTTCCACCAGAGCTCAGGAGACAGCGG 400

```

FIG. 17

Human AGP3 receptor sequence

GTCGACCCACGCGTCCGATCCTGAGTAATGAGTGGCCTGGGCCGGAGCAGGCGAGGTGGC  
M S G L G R S R R G G  
CGGAGCCGTGTGGACCAGGAGGAGCGCTTTCCACAGGGCCTGTGGACAGGGGTGGCTATG  
R S R V D Q E E R F P Q G L W T G V A M  
AGATCCTGCCCCGAAGAGCAGTACTGGGATCCTCTGCTGGGTACCTGCATGTCCTGCAAA  
R S C P E E Q Y W D P L L G T C M S C K  
ACCATTGTGAACCATCAGAGCCAGCGCACCTGTGCAGCCTTCTGCAGGTCACCTCAGCTGC  
T I C N H Q S Q R T C A A F C R S L S C  
CGCAAGGAGCAAGGCAAGTTCTATGACCATCTCCTGAGGGACTGCATCAGCTGTGCCTCC  
R K E Q G K F Y D H L L R D C I S C A S  
ATCTGTGGACAGCACCCCTAAGCAATGTGCATACTTCTGTGAGAACCAAGCTCAGGAGCCCA  
I C G Q H P K Q C A Y F C E N K L R S P  
GTGAACCTTCCACCAGAGCTCAGGAGACAGCGGAGTGGAGAAGTTGAAAAAATTCAGAC  
V N L P P E L R R Q R S G E V E N N S D  
AACTCGGGAAGGTACCAAGGACTGGAGCACAGAGGCTCAGAAGCAAGTCCAGCTCTCCCCG  
N S G R Y Q G L E H R G S E A S P A L P  
GGGCTGAAGCTGAGTGCAGATCAGGTGGCCCTGGTCTACAGCACGCTGGGGCTCTGCCTG  
G L K L S A D Q V A L V Y S T L G L C L  
TGTGCCGTCTCTGCTGCTTCCCTGGTGGCGGTGGCCTGCTTCTCAAGATGAGGGGGGAT  
C A V L C C F L V A V A C F L K M R G D  
CCCTGCTCCTGCCAGCCCCGCTCAAGGCCCGCTCAAAGTCCGGCCAAGTCTTCCCAGGAT  
P C S C Q P R S R P R Q S P A K S S Q D  
CACGCGATGGAAGCCGGCAGCCCTGTGAGCACATCCCCGAGCCAGTGGAGACCTGCAGC  
H A M E A G S P V S T S P E P V E T C S  
TTCTGCTTCCCTGAGTGCAGGGCGCCCACGCAGGAGAGCGCAGTCACGCCTGGGACCCCC  
F C F P E C R A P T Q E S A V T P G T P  
GACCCCACTTGTGCTGGAAGGTGGGGGTGCCACACCAGGACCACAGTCCTGCAGCCTTGC  
D P T C A G R W G C H T R T T V L Q P C  
CCACACATCCCAGACAGCGGCCTTGGCATTGTGTGTGTGCCTGCCCAGGAGGGGGGGCCCA  
P H I P D S G L G I V C V P A Q E G G P  
GGTGCATAAATGGGGGTCAGGGAGGGAAAGGAGGAGGAGAGATGGAGAGGAGGGGAG  
G A  
AGAGAAAAGAGAGGTGGGGAGAGGGGAGAGAGATATGAGGAGAGAGAGACAGAGGAGGCAG  
AGAGGGAGAGAAAACAGAGGAGACAGAGAGGGAGAGAGAGACAGAGGGAGAGAGAGACAGA  
GAGGAAGAGAGGCAGAGAGGGAAAGAGGCAGAGAAGGAAAGAGACAGGCAGAGAAGGAGA  
GAGGCAGAGAGGGAGAGAGGCAGAGAGGGAGAGAGGCAGAGAGACAGAGAGGGAGAGAGG  
GACAGAGAGAGATAGAGCAGGAGGTGCGGGCACTCTGAGTCCCAGTCCCAGTGCAGCTG  
TAGGTGCGTCATCACCTAACCACACGTGCAATAAAGTCCTCGTGCCTGCTGCTCACAGCCC  
CCGAGAGCCCCCTCCTCCTGG

FIG. 18

AGP3 receptor protein structure

MSG LGRSRRGGRSRVDQEERFPQGLWTGVAMR

SCPEEQYWDPLLGT C MSCKTICNHQS QRTCAAFCRSL I

SCRKEQGKFYDHLLRDCIS CASICGQHPKQ CAYFCENK II

LRSPVNLPPELRRQRS GEVENNSD NSGRYQGLEHRGSE stalk  
ASPALPGLKLSADQVAVYS

TLGLCLCAVLCCFLVAVACFL TM

KMRGDPCSCQPRSRPRQSPAKSSQDHAMEAGSPVSTSP IC  
EPVETCSFCFPECRAPTQESAVTPGTPDTCAGRWGCHT  
RTTVLQPCPHIPDSGLGIVCVPAQEGGPGA

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[illegible][illegible]



FIG. 20

# Human AGP3 receptor mRNA tissue distribution

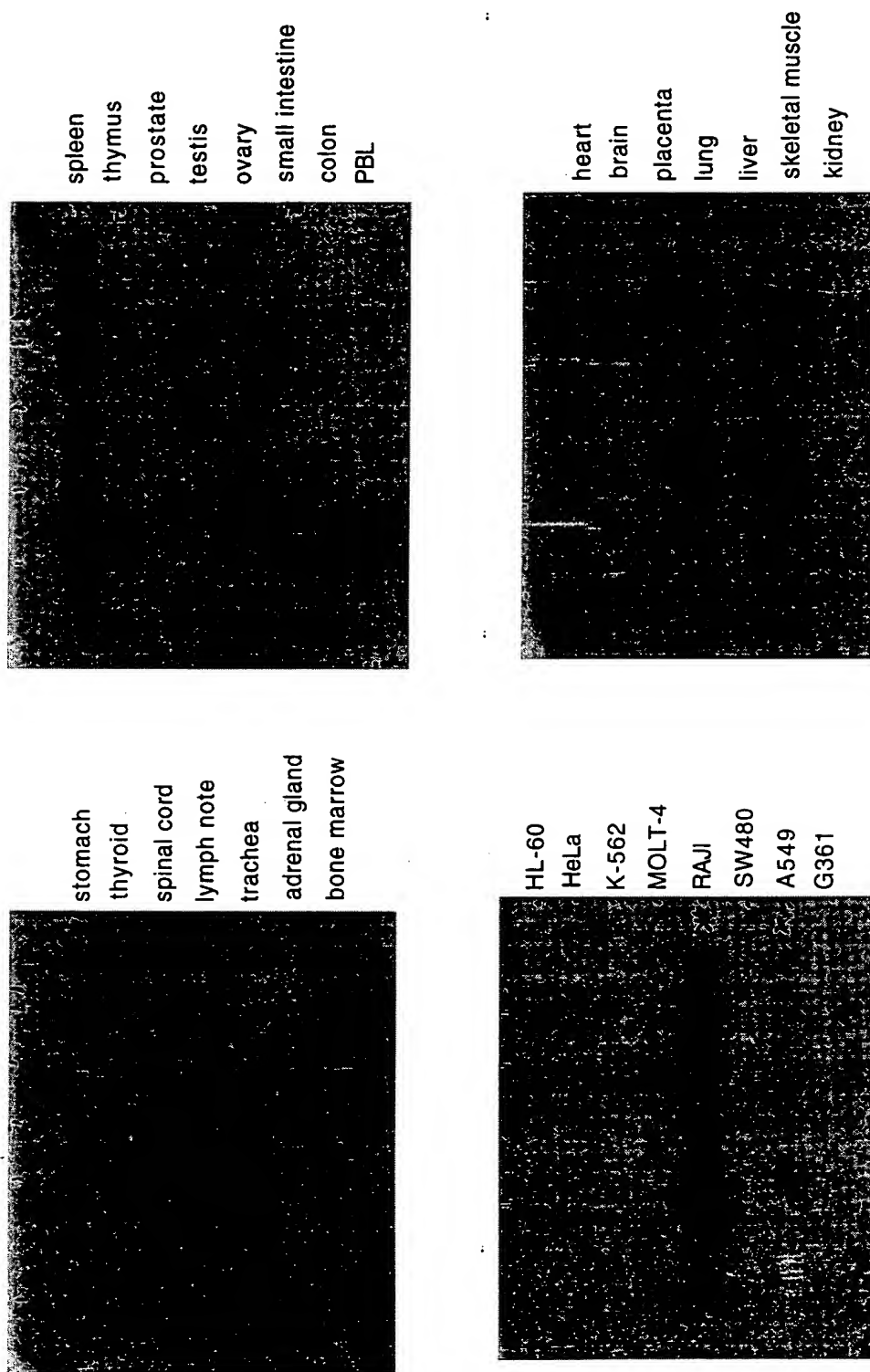


FIG 21

